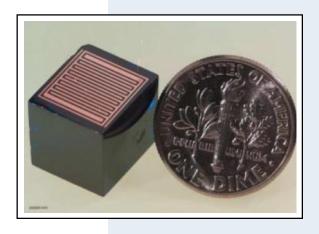


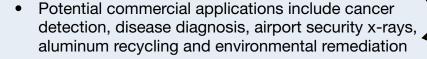


Field Portable CdZnTe (CZT) Radiation Detectors to Monitor and Localize Special Nuclear Materials

 Field-portable CZT radiation detectors are required by international nonproliferation community to combat nuclear smuggling, enhance safeguard programs and monitor treaties



- New Russian crystal-growth technology will allow development of new class of CZT instruments with superior advantages:
 - room temperature operation
 - gamma-ray spectrometers with pulse processing and low-power readout electronics
 - high-energy resolution for isotope identification
 - imaging with high spatial resolution
 - improved measurement time, long-term stability & reliability
 - compact and lightweight
 - reduced manufacturing costs













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